Teradata – FastLoad

FastLoad utility is used to load data into empty tables. Since it does not use transient journals, data can be loaded quickly. It doesn't load duplicate rows even if the target table is a MULTISET table.

### **Limitation**

Target table should not have secondary index, join index and foreign key reference.

## **How FastLoad Works**

FastLoad is executed in two phases.

### **Phase 1**

* The Parsing engines read the records from the input file and sends a block to each AMP.
* Each AMP stores the blocks of records.
* Then AMPs hash each record and redistribute them to the correct AMP.
* At the end of Phase 1, each AMP has its rows but they are not in row hash sequence.

### **Phase 2**

* Phase 2 starts when FastLoad receives the END LOADING statement.
* Each AMP sorts the records on row hash and writes them to the disk.
* Locks on the target table is released and the error tables are dropped.

### **Example**

Create a text file with the following records and name the file as employee.txt.

101,Mike,James,1980-01-05,2010-03-01,1

102,Robert,Williams,1983-03-05,2010-09-01,1

103,Peter,Paul,1983-04-01,2009-02-12,2

104,Alex,Stuart,1984-11-06,2014-01-01,2

105,Robert,James,1984-12-01,2015-03-09,3

105,Robert,James,1984-12-01,2015-03-09,3

105,Robert,James,1984-12-01,2015-03-09,3

BTEQ -- Enter your DBC/SQL request or BTEQ command:

CREATE TABLE Employee\_Stg (

EMP\_NO INTEGER,

FIRST\_NAME VARCHAR(20),

LAST\_NAME VARCHAR(20),

BIRTH\_DATE DATE,

JOIN\_DATE DATE,

DEPTNO INTEGER);

\*\*\* Table has been created.

\*\*\* Total elapsed time was 1 second.

Following is a sample FastLoad script to load the above file data into Employee\_Stg table.

LOGON localtd/tdhari,admin#123;

DATABASE tdhari;

DELETE FROM Employee\_Stg ALL;

BEGIN LOADING Employee\_Stg

ERRORFILES Employee\_ET,Employee\_UV;

SET RECORD VARTEXT ",";

DEFINE in\_EmployeeNo (VARCHAR(10)),

in\_FirstName (VARCHAR(20)),

in\_LastName (VARCHAR(20)),

in\_BirthDate (VARCHAR(20)),

in\_JoinedDate (VARCHAR(20)),

in\_DepartmentNo (VARCHAR(10))

FILE = C:\Users\Administrator\Desktop\Teradata\_Capgemini\Teradata\_Doc\employee.txt;

INSERT INTO Employee\_Stg(

Emp\_No,

First\_Name,

Last\_Name,

Birth\_Date,

Join\_Date,

DeptNo

)

VALUES (

:in\_EmployeeNo,

:in\_FirstName,

:in\_LastName,

:in\_BirthDate(FORMAT 'YYYY-MM-DD'),

:in\_JoinedDate(FORMAT 'YYYY-MM-DD'),

:in\_DepartmentNo

);

END LOADING;

LOGOFF;

## **Executing a FastLoad Script**

Once the input file employee.txt is created and the FastLoad script is named as EmployeeLoad.fl, you can run the FastLoad script using the following command in UNIX and Windows prompt.

C:\Users\Administrator> FastLoad < C:\Users\Administrator\Desktop\Teradata\_Capgemini\Teradata\_Doc\EmployeeLoad.fl.txt

Once the above command is executed, the FastLoad script will run and produce the log. In the log, you can see the number of records processed by FastLoad and status code.

===================================================================

= =

= FASTLOAD UTILITY VERSION 13.00.00.004 =

= PLATFORM WIN32 =

= =

===================================================================

===================================================================

= =

= Copyright 1984-2009, Teradata Corporation. =

= ALL RIGHTS RESERVED. =

= =

===================================================================

\*\*\*\* 23:36:25 Processing starting at: Thu Jul 27 23:36:24 2017

===================================================================

= =

= Logon/Connection =

= =

===================================================================

0001 LOGON localtd/tdhari,

\*\*\*\* 23:36:25 Teradata Database Release: 13.00.00.12

\*\*\*\* 23:36:25 Teradata Database Version: 13.00.00.12

\*\*\*\* 23:36:25 Current CLI or RDBMS allows maximum row size: 64K

\*\*\*\* 23:36:25 Character set for this job: ASCII

\*\*\*\* 23:36:26 Number of FastLoad sessions connected = 2

\*\*\*\* 23:36:26 FDL4808 LOGON successful

0002 DATABASE tdhari;

\*\*\*\* 23:36:26 Command completed successfully

0003 DELETE FROM Employee\_Stg ALL;

\*\*\*\* 23:36:26 Command completed successfully

0004 BEGIN LOADING Employee\_Stg

ERRORFILES Employee\_ET,Employee\_UV;

\*\*\*\* 23:36:27 Number of AMPs available: 2

\*\*\*\* 23:36:27 BEGIN LOADING COMPLETE

0005 SET RECORD VARTEXT ",";

\*\*\*\* 23:36:27 Now set to read 'Variable-Length Text' records

\*\*\*\* 23:36:27 Delimiter character(s) is set to ','

\*\*\*\* 23:36:27 Command completed successfully

0006 DEFINE in\_EmployeeNo (VARCHAR(10)),

in\_FirstName (VARCHAR(20)),

in\_LastName (VARCHAR(20)),

in\_BirthDate (VARCHAR(20)),

in\_JoinedDate (VARCHAR(20)),

in\_DepartmentNo (VARCHAR(10))

FILE = C:\Users\Administrator\Desktop\Teradata\_Capgemini\Load\employe

e.txt;

\*\*\*\* 23:36:27 FDL4803 DEFINE statement processed

===================================================================

= =

= Insert Phase =

= =

===================================================================

0007 INSERT INTO Employee\_Stg(

Emp\_No,

First\_Name,

Last\_Name,

Birth\_Date,

Join\_Date,

DeptNo

)

VALUES (

:in\_EmployeeNo,

:in\_FirstName,

:in\_LastName,

:in\_BirthDate(FORMAT 'YYYY-MM-DD'),

:in\_JoinedDate(FORMAT 'YYYY-MM-DD'),

:in\_DepartmentNo

);

\*\*\*\* 23:36:28 Number of recs/msg: 612

\*\*\*\* 23:36:28 Starting to send to RDBMS with record 1

\*\*\*\* 23:36:28 Sending row 7

\*\*\*\* 23:36:28 Finished sending rows to the RDBMS

===================================================================

= =

= End Loading Phase =

= =

===================================================================

0008 END LOADING;

\*\*\*\* 23:36:28 END LOADING COMPLETE

Total Records Read = 7

Total Error Table 1 = 0 ---- Table has been dropped

Total Error Table 2 = 0 ---- Table has been dropped

Total Inserts Applied = 5

Total Duplicate Rows = 2

Start: Thu Jul 27 23:36:28 2017

End : Thu Jul 27 23:36:28 2017

0009 LOGOFF;

===================================================================

= =

= Logoff/Disconnect =

= =

===================================================================

\*\*\*\* 23:36:29 Logging off all sessions

\*\*\*\* 23:36:30 Total processor time used = '0.967206 Seconds'

. Start : Thu Jul 27 23:36:24 2017

. End : Thu Jul 27 23:36:30 2017

. Highest return code encountered = '0'.

\*\*\*\* 23:36:30 FDL4818 FastLoad Terminated

C:\Users\Administrator>

C:\Users\Administrator>bteq

Teradata BTEQ 13.00.00.03 for WIN32.

Copyright 1984-2009, Teradata Corporation. ALL RIGHTS RESERVED.

Enter your logon or BTEQ command:

.logon localtd/tdhari

.logon localtd/tdhari

Password:

\*\*\* Logon successfully completed.

\*\*\* Teradata Database Release is 13.00.00.12

\*\*\* Teradata Database Version is 13.00.00.12

\*\*\* Transaction Semantics are BTET.

\*\*\* Character Set Name is 'ASCII'.

\*\*\* Total elapsed time was 1 second.

BTEQ -- Enter your DBC/SQL request or BTEQ command:

select \* from employee\_stg order by 1;

select \* from employee\_stg order by 1;

\*\*\* Query completed. 5 rows found. 6 columns returned.

\*\*\* Total elapsed time was 1 second.

EMP\_NO FIRST\_NAME LAST\_NAME BIRTH\_DATE JOIN\_DATE

----------- -------------------- -------------------- ---------- ---------

101 Mike James 80/01/05 10/03/01

102 Robert Williams 83/03/05 10/09/01

103 Peter Paul 83/04/01 09/02/12

104 Alex Stuart 84/11/06 14/01/01

105 Robert James 84/12/01 15/03/09

BTEQ -- Enter your DBC/SQL request or BTEQ command:

## **FastLoad Terms**

Following is the list of common terms used in FastLoad script.

* **LOGON** − Logs into Teradata and initiates one or more sessions.
* **DATABASE** − Sets the default database.
* **BEGIN LOADING** − Identifies the table to be loaded.
* **ERRORFILES** − Identifies the 2 error tables that needs to be created/updated.
* **CHECKPOINT** − Defines when to take checkpoint.
* **SET RECORD** − Specifies if the input file format is formatted, binary, text or unformatted.
* **DEFINE** − Defines the input file layout.
* **FILE** − Specifies the input file name and path.
* **INSERT** − Inserts the records from the input file into the target table.
* **END LOADING** − Initiates phase 2 of the FastLoad. Distributes the records into the target table.
* **LOGOFF** − Ends all sessions and terminates FastLoad.

# Teradata - MultiLoad

MultiLoad can load multiple tables at a time and it can also perform different types of tasks such as INSERT, DELETE, UPDATE and UPSERT. It can load up to 5 tables at a time and perform up to 20 DML operations in a script.

MultiLoad supports two modes −

* IMPORT
* DELETE

MultiLoad requires a work table, a log table and two error tables in addition to the target table.

* **Log Table** − Used to maintain the checkpoints taken during load which will be used for restart.
* **Error Tables** − These tables are inserted during load when an error occurs. First error table stores conversion errors whereas second error table stores duplicate records.
* **Work table** − MultiLoad script creates one work table per target table. Work table is used to keep DML tasks and the input data.

## **Limitation**

MultiLoad has some limitations.

* Unique Secondary Index not supported on target table.
* Referential integrity not supported.
* Triggers not supported.

## **How MultiLoad Works**

MultiLoad import has five phases −

* **Phase 1** − Preliminary Phase – Performs basic setup activities.
* **Phase 2** − DML Transaction Phase – Verifies the syntax of DML statements and brings them to Teradata system.
* **Phase 3** − Acquisition Phase – Brings the input data into work tables and locks the table.
* **Phase 4** − Application Phase – Applies all DML operations.
* **Phase 5** − Cleanup Phase – Releases the table lock.

The steps involved in a MultiLoad script are −

* **Step 1** − Set up the log table.
* **Step 2** − Log on to Teradata.
* **Step 3** − Specify the Target, Work and Error tables.
* **Step 4** − Define INPUT file layout.
* **Step 5** − Define the DML queries.
* **Step 6** − Name the IMPORT file.
* **Step 7** − Specify the LAYOUT to be used.
* **Step 8** − Initiate the Load.
* **Step 9** − Finish the load and terminate the sessions.

**Example 1.**

Create a text file with the following records and name the file as employee.txt.

101,Mike,James,1980-01-05,2010-03-01,1

102,Robert,Williams,1983-03-05,2010-09-01,1

103,Peter,Paul,1983-04-01,2009-02-12,2

104,Alex,Stuart,1984-11-06,2014-01-01,2

105,Robert,James,1984-12-01,2015-03-09,3

The following example is a MultiLoad script that reads records from employee.txt file and load into Employee\_Stg table.

Delete from employee\_stg;

.LOGTABLE Employee\_log;

.LOGON localtd/tdhari,admin$123;

.BEGIN MLOAD TABLES Employee\_Stg;

.LAYOUT Employee\_stg;

.FIELD in\_EmployeeNo \* VARCHAR(10);

.FIELD in\_FirstName \* VARCHAR(30);

.FIELD in\_LastName \* VARCHAR(30);

.FIELD in\_BirthDate \* VARCHAR(10);

.FIELD in\_JoinDate \* VARCHAR(10);

.FIELD in\_DepartmentNo \* VARCHAR(02);

.DML LABEL EmpLabel;

INSERT INTO Employee\_Stg(

Emp\_No,

First\_Name,

Last\_Name,

Birth\_Date,

Join\_Date,

DeptNo

)

VALUES (

:in\_EmployeeNo,

:in\_FirstName,

:in\_Lastname,

:in\_BirthDate,

:in\_JoinDate,

:in\_DepartmentNo

);

.IMPORT INFILE C:\Users\Administrator\Desktop\Teradata\_Capgemini\Teradata\_Doc\employee.txt

FORMAT VARTEXT ','

LAYOUT Employee\_stg

APPLY EmpLabel;

.END MLOAD;

.LOGOFF;

## NOTE: VARTEXT support character data type.

## **Executing a MultiLoad Script**

Once the input file employee.txt is created and the multiload script is named as EmployeeLoad.ml, then you can run the Multiload script using the following command in UNIX and Windows.

C:\Users\Administrator> Mload < C:\Users\Administrator\Desktop\Teradata\_Capgemini\Teradata\_Doc\EmployeeLoad.ml.txt

Once the above command is executed, the MultiLoad script will run and produce the log. In the log, you can see the number of records processed by MultiLoad and status code.

========================================================================

= =

= MultiLoad Utility Release MLOD.13.00.00.005 =

= Platform WIN32 =

= =

========================================================================

= =

= Copyright 1990-2009 Teradata Corporation. ALL RIGHTS RESERVED. =

= =

========================================================================

\*\*\*\* 00:50:43 UTY2411 Processing start date: SUN JAN 22, 2017

========================================================================

= =

= Logon/Connection =

= =

========================================================================

0001 .LOGTABLE Employee\_log;

0002 .LOGON localtd/td06,;

\*\*\*\* 00:50:44 UTY8400 Teradata Database Release: 13.00.00.12

\*\*\*\* 00:50:44 UTY8400 Teradata Database Version: 13.00.00.12

\*\*\*\* 00:50:44 UTY8400 Default character set: ASCII

\*\*\*\* 00:50:44 UTY8400 Current RDBMS has interval support

\*\*\*\* 00:50:44 UTY8400 Current RDBMS has UDT support

\*\*\*\* 00:50:44 UTY8400 Maximum supported buffer size: 1M

\*\*\*\* 00:50:44 UTY8400 Data Encryption supported by RDBMS server

\*\*\*\* 00:50:44 UTY6211 A successful connect was made to the RDBMS.

\*\*\*\* 00:50:44 UTY6210 Logtable 'FINANCIAL.Employee\_log' indicates that a restart is in

progress.

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= =

= Processing Control Statements =

= =

========================================================================

0003 .BEGIN MLOAD TABLES Employee\_Stg;

========================================================================

= =

= Processing MultiLoad Statements =

= =

========================================================================

0004 .LAYOUT Employee\_stg;

0005 .FIELD in\_EmployeeNo \*VARCHAR(10);

0006 .FIELD in\_FirstName \*VARCHAR(30);

0007 .FIELD in\_LastName \*VARCHAR(30);

0008 .FIELD in\_BirthDate \*VARCHAR(10);

0009 .FIELD in\_JoinDate \*VARCHAR(10);

0010 .FIELD in\_DepartmentNo \*VARCHAR(02);

0011 .DML LABEL EmpLabel;

0012 INSERT INTO Employee\_Stg(

Emp\_No,

First\_Name,

Last\_Name,

Birth\_Date,

Join\_Date,

DeptNo

)

VALUES (

:in\_EmployeeNo,

:in\_FirstName,

:in\_Lastname,

:in\_BirthDate,

:in\_JoinDate,

:in\_DepartmentNo

);

0013 .IMPORT INFILE

C:\Users\Administrator\Desktop\Teradata\_Capgemini\Teradata\_Doc\employee.txt

FORMAT VARTEXT ','

LAYOUT Employee\_stg

APPLY EmpLabel;

0014 .END MLOAD;

========================================================================

= =

= MultiLoad Initial Phase =

= =

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\*\*\*\* 00:50:44 UTY0829 Options in effect for this MultiLoad import task:

. Sessions: One session per available amp.

. Checkpoint: 15 minute(s).

. Tenacity: 4 hour limit to successfully connect load sessions.

. Errlimit: No limit in effect.

. AmpCheck: In effect for apply phase transitions.

\*\*\*\* 00:50:45 UTY0817 MultiLoad submitting the following request:

Select NULL from FINANCIAL.Employee\_log where (LogType = 125) and (Seq = 1)

and (MloadSeq = 0);

\*\*\*\* 00:50:45 UTY0817 MultiLoad submitting the following request:

Select NULL from FINANCIAL.Employee\_log where (LogType = 120) and (Seq =

1);

\*\*\*\* 00:50:45 UTY0815 MLOAD session(s) connected: 2.

\*\*\*\* 00:50:45 UTY0817 MultiLoad submitting the following request:

BEGIN MLOAD Employee\_Stg WITH INTERVAL;

\*\*\*\* 00:50:45 UTY0817 MultiLoad submitting the following request:

INS FINANCIAL.Employee\_log (LogType, Seq, MLoadSeq)VALUES(130, 1, 10);

\*\*\*\* 00:50:45 UTY0817 MultiLoad submitting the following request:

MLOAD Employee\_Stg with WT\_Employee\_Stg errortables ET\_Employee\_Stg,

UV\_Employee\_Stg;

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= =

= MultiLoad DML Transaction Phase =

= =

========================================================================

\*\*\*\* 00:50:45 UTY0817 MultiLoad submitting the following request:

BT;

\*\*\*\* 00:50:45 UTY0817 MultiLoad submitting the following request:

USING IN\_EMPLOYEENO(VARCHAR(10)), IN\_FIRSTNAME(VARCHAR(30)),

IN\_LASTNAME(VARCHAR(30)), IN\_BIRTHDATE(VARCHAR(10)),

IN\_JOINDATE(VARCHAR(10)), IN\_DEPARTMENTNO(VARCHAR(2)) INSERT INTO

Employee\_Stg(

Emp\_No,

First\_Name,

Last\_Name,

Birth\_Date,

Join\_Date,

DeptNo

)

VALUES (

:in\_EmployeeNo,

:in\_FirstName,

:in\_Lastname,

:in\_BirthDate,

:in\_JoinDate,

:in\_DepartmentNo

);

\*\*\*\* 00:50:46 UTY0817 MultiLoad submitting the following request:

INS FINANCIAL.Employee\_log (LogType, Seq, MLoadSeq)VALUES(130, 1, 20);

\*\*\*\* 00:50:46 UTY0817 MultiLoad submitting the following request:

ET;

========================================================================

= =

= MultiLoad Acquisition Phase =

= =

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\*\*\*\* 00:50:46 UTY0817 MultiLoad submitting the following request:

BEGIN TRANSACTION;

\*\*\*\* 00:50:46 UTY0817 MultiLoad submitting the following request:

CHECKPOINT LOADING INTERVAL 0;

\*\*\*\* 00:50:46 UTY0817 MultiLoad submitting the following request:

CHECKPOINT LOADING INTERVAL 0;

\*\*\*\* 00:50:47 UTY0817 MultiLoad submitting the following request:

CHECKPOINT LOADING INTERVAL 0;

\*\*\*\* 00:50:48 UTY0817 MultiLoad submitting the following request:

USING Ckpt(VARBYTE(1024)) INSERT FINANCIAL.Employee\_log (Logtype, Seq,

MLoadSeq, MLoadImpSeq, MLoadSrcSeq, MiscInt1,MiscInt2,MiscInt3,MiscInt4,

MiscInt5,MiscInt6,MiscInt7,MiscInt8,CkptInterval,MLoadCkpt) VALUES (110, 1,

0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, :Ckpt);

\*\*\*\* 00:50:48 UTY0817 MultiLoad submitting the following request:

CHECKPOINT LOADING INTERVAL 0;

\*\*\*\* 00:50:49 UTY0817 MultiLoad submitting the following request:

USING Ckpt(VARBYTE(1024)) INSERT FINANCIAL.Employee\_log (Logtype, Seq,

MLoadSeq, MLoadImpSeq, MLoadSrcSeq, MiscInt1,MiscInt2,MiscInt3,MiscInt4,

MiscInt5,MiscInt6,MiscInt7,MiscInt8,CkptInterval,MLoadCkpt) VALUES (110, 1,

1, 1, 0, 5, 5, 5, 5, 0, 0, 0, 0, 0, :Ckpt);

\*\*\*\* 00:50:49 UTY0826 A checkpoint has been taken, recording that end of file has been reached

for IMPORT 1 of this MultiLoad Import task.

\*\*\*\* 00:50:49 UTY1803 Import processing statistics

. IMPORT 1 Total thus far

. ========= ==============

Candidate records considered:........ 5....... 5

Apply conditions satisfied:.......... 5....... 5

Candidate records not applied:....... 0....... 0

Candidate records rejected:.......... 0....... 0

\*\*\*\* 00:50:49 UTY0817 MultiLoad submitting the following request:

CHECKPOINT LOADING INTERVAL 0;

\*\*\*\* 00:50:50 UTY0817 MultiLoad submitting the following request:

CHECKPOINT LOADING INTERVAL 0 END;

\*\*\*\* 00:50:51 UTY0817 MultiLoad submitting the following request:

INS FINANCIAL.Employee\_log (LogType, Seq, MLoadSeq)VALUES(130, 1, 30);

\*\*\*\* 00:50:51 UTY0817 MultiLoad submitting the following request:

ET;

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= =

= MultiLoad Application Phase =

= =

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\*\*\*\* 00:50:51 UTY0817 MultiLoad submitting the following request:

EXEC MLOAD Employee\_Stg;

\*\*\*\* 00:50:51 UTY0818 Statistics for table Employee\_Stg:

Inserts: 5

Updates: 0

Deletes: 0

\*\*\*\* 00:50:52 UTY0817 MultiLoad submitting the following request:

INS FINANCIAL.Employee\_log (LogType, Seq) VALUES (115, 1)

\*\*\*\* 00:50:52 UTY0817 MultiLoad submitting the following request:

BEGIN TRANSACTION;

\*\*\*\* 00:50:52 UTY0817 MultiLoad submitting the following request:

END MLOAD;

\*\*\*\* 00:50:52 UTY0817 MultiLoad submitting the following request:

INS FINANCIAL.Employee\_log (LogType, Seq) VALUES (120, 1)

\*\*\*\* 00:50:52 UTY0817 MultiLoad submitting the following request:

USING Ckpt(VARBYTE(1024)) INS FINANCIAL.Employee\_log (LogType, Seq,

MLoadCkpt)VALUES(135, 1, :Ckpt);

\*\*\*\* 00:50:52 UTY0817 MultiLoad submitting the following request:

END TRANSACTION;

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= =

= MultiLoad Task Cleanup =

= =

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\*\*\*\* 00:50:52 UTY0817 MultiLoad submitting the following request:

SELECT COUNT(\*) FROM ET\_Employee\_Stg;

\*\*\*\* 00:50:52 UTY0821 Error table ET\_Employee\_Stg is EMPTY, dropping table.

\*\*\*\* 00:50:52 UTY0817 MultiLoad submitting the following request:

BEGIN TRANSACTION;

\*\*\*\* 00:50:52 UTY0817 MultiLoad submitting the following request:

INS FINANCIAL.Employee\_log (LogType, Seq, MLoadSeq)VALUES(125, 1, 1)

\*\*\*\* 00:50:52 UTY0817 MultiLoad submitting the following request:

DROP TABLE ET\_Employee\_Stg;

SELECT COUNT(\*) FROM UV\_Employee\_Stg;

\*\*\*\* 00:50:52 UTY0821 Error table UV\_Employee\_Stg is EMPTY, dropping table.

\*\*\*\* 00:50:52 UTY0817 MultiLoad submitting the following request:

BEGIN TRANSACTION;

\*\*\*\* 00:50:52 UTY0817 MultiLoad submitting the following request:

INS FINANCIAL.Employee\_log (LogType, Seq, MLoadSeq)VALUES(125, 1, 2)

\*\*\*\* 00:50:52 UTY0817 MultiLoad submitting the following request:

DROP TABLE UV\_Employee\_Stg;

\*\*\*\* 00:50:52 UTY0817 MultiLoad submitting the following request:

END TRANSACTION;

\*\*\*\* 00:50:52 UTY0817 MultiLoad submitting the following request:

BEGIN TRANSACTION;

\*\*\*\* 00:50:52 UTY0817 MultiLoad submitting the following request:

INS FINANCIAL.Employee\_log (LogType, Seq, MLoadSeq)VALUES(125, 1, 3)

\*\*\*\* 00:50:52 UTY0817 MultiLoad submitting the following request:

DROP TABLE WT\_Employee\_Stg;

\*\*\*\* 00:50:52 UTY0817 MultiLoad submitting the following request:

END TRANSACTION;

\*\*\*\* 00:50:53 UTY0825 Error table statistics for:

Target table 1: Employee\_Stg

Number of Rows Error Table Name

============== ========================================================

0 ET\_Employee\_Stg

0 UV\_Employee\_Stg

\*\*\*\* 00:50:53 UTY0817 MultiLoad submitting the following request:

BEGIN TRANSACTION;

\*\*\*\* 00:50:53 UTY0817 MultiLoad submitting the following request:

USING Ckpt(VARBYTE(1024)) INS FINANCIAL.Employee\_log (LogType, Seq,

MLoadCkpt)VALUES(140, 1, :Ckpt);

\*\*\*\* 00:50:53 UTY0817 MultiLoad submitting the following request:

INS FINANCIAL.Employee\_log (LogType, Seq) VALUES (125, 1)

\*\*\*\* 00:50:53 UTY0817 MultiLoad submitting the following request:

END TRANSACTION;

\*\*\*\* 00:50:54 UTY0822 MultiLoad processing complete for this MultiLoad import task.

========================================================================

= =

= MultiLoad Task Complete =

= =

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========================================================================

= =

= Processing Control Statements =

= =

========================================================================

0015 .LOGOFF;

========================================================================

= =

= Logoff/Disconnect =

= =

========================================================================

\*\*\*\* 00:50:54 UTY6216 The restart log table has been dropped.

\*\*\*\* 00:50:54 UTY6212 A successful disconnect was made from the RDBMS.

\*\*\*\* 00:50:54 UTY2410 Total processor time used = '0.561604 Seconds'

. Start : 00:50:43 - SUN JAN 22, 2017

. End : 00:50:54 - SUN JAN 22, 2017

. Highest return code encountered = '0'.

**Example 2.**

Create table Employee (

TransCode char(3),

EmpNo smallint,

DeptNo smallint )

Unique Primary Index (EmpNo);

insert into employee values('TRA',11111,10);

insert into employee values('PUR',11112,20);

insert into employee values('SAL',11113,30);

insert into employee values('MOR',11114,40);

insert into employee values('LOA',11115,50);

insert into employee values('MAN',11116,10);

insert into employee values('SER',11117,20);

insert into employee values('LEA',11118,30);

insert into employee values('REN',11119,10);

insert into employee values('TRA',22220,20);

insert into employee values('SER',22221,20);

insert into employee values('LEA',22222,30);

insert into employee values('REN',22223,10);

insert into employee values('TRA',22224,20);

insert into employee values('TRA',22225,20);

select \* from employee order by 2;

TransCode EmpNo DeptNo

--------- ------ ------

TRA 11111 10

PUR 11112 20

SAL 11113 30

MOR 11114 40

LOA 11115 50

MAN 11116 10

SER 11117 20

LEA 11118 30

REN 11119 10

TRA 22220 20

SER 22221 20

LEA 22222 30

REN 22223 10

TRA 22224 20

TRA 22225 20

Create multiload script DeleteEmp.txt

.Logtable Employee\_Log;

.Logon localtd/td06,admin#123;

.Begin Mload tables Employee;

.Layout employee\_ly;

.Field in\_TCode \* VARCHAR(10);

.Field in\_ENo \* VARCHAR(10);

.Field in\_DNo \* VARCHAR(10);

.DML Label Del;

Delete from Employee where EmpNo = :in\_ENo;

.Import Infile C:\Users\Administrator\Desktop\Teradata\_Capgemini\Teradata\_Doc\Transaction.txt

FORMAT VARTEXT ','

Layout employee\_ly

Apply Del;

.End Mload;

.Logoff;

NOTE: VARTEXT support character data type.

Input datafile Transaction.txt

SAL,11113,30

TRA,22224,20

TRA,11111,10

TRA,22220,20

SER,22221,20

LEA,22222,30

REN,22223,10

TRA,22225,20

Run the multiload script.

C:\Users\Administrator> Mload <C:\Users\Administrator\Desktop\Teradata\_Capgemini\Teradata\_Doc\DeleteEmp.txt

.logon localtd/td06

Password:

\*\*\* Logon successfully completed.

\*\*\* Teradata Database Release is 13.00.00.12

\*\*\* Teradata Database Version is 13.00.00.12

\*\*\* Transaction Semantics are BTET.

\*\*\* Character Set Name is 'ASCII'.

\*\*\* Total elapsed time was 1 second.

select \* from employee order by 2;

\*\*\* Query completed. 7 rows found. 3 columns returned.

\*\*\* Total elapsed time was 1 second.

TransCode EmpNo DeptNo

--------- ------ ------

PUR 11112 20

MOR 11114 40

LOA 11115 50

MAN 11116 10

SER 11117 20

LEA 11118 30

REN 11119 10

**Example 3.**

Writing the Teradata MultiLoad Job Script

Create and save a Teradata MultiLoad job script file named insert.mload that loads the six-record insert.data file into the Employee table:

.logtable inslogtable;

.logon localtd/td06,admin#123;

DROP TABLE employee;

CREATE TABLE employee (

EmpNo INTEGER,

Name VARCHAR(15),

JobTitle VARCHAR(15),

Salary INTEGER,

DeptNo INTEGER)

UNIQUE PRIMARY INDEX( EmpNo );

.begin mload tables employee;

.layout inslayout;

.field EmpNo 1 char(5);

.field Name 10 char(15);

.field JobTitle 20 char(15);

.field Salary 35 char(10);

.field DeptNo 45 char(2);

.dml label insdml;

insert into employee.\*;

.import infile C:\Users\Administrator\Desktop\Teradata\_Capgemini\Teradata\_Doc\insert.input.txt

format text

layout inslayout

apply insdml;

.end mload;

.logoff;

Creating the Source Data File

Create and save a six-record text file named insert.input:

10001 Brown Development 2000 20

10002 Jones President 3000 30

10003 Smith Sales 2000 10

10004 Daren Development 2000 20

10005 James President 3000 40

10006 Lunar Sales 2000 10

Use this file as the input source for a Teradata MultiLoad import task.

**Execute the script and check the log**

C:\Users\Administrator> Mload <C:\Users\Administrator\Desktop\Teradata\_Capgemini\Teradata\_Doc\insert.mload.txt

C:\Users\Administrator>Mload <C:\Users\Administrator\Desktop\Teradata\_Capgemini\Teradata\_Doc\insert.mload.txt

========================================================================

= =

= MultiLoad Utility Release MLOD.13.00.00.005 =

= Platform WIN32 =

= =

========================================================================

= =

= Copyright 1990-2009 Teradata Corporation. ALL RIGHTS RESERVED. =

= =

========================================================================

\*\*\*\* 13:37:56 UTY2411 Processing start date: SUN JAN 22, 2017

========================================================================

= =

= Logon/Connection =

= =

========================================================================

0001 .logtable inslogtable;

0002 .logon localtd/td06,;

\*\*\*\* 13:37:56 UTY8400 Teradata Database Release: 13.00.00.12

\*\*\*\* 13:37:56 UTY8400 Teradata Database Version: 13.00.00.12

\*\*\*\* 13:37:56 UTY8400 Default character set: ASCII

\*\*\*\* 13:37:56 UTY8400 Current RDBMS has interval support

\*\*\*\* 13:37:56 UTY8400 Current RDBMS has UDT support

\*\*\*\* 13:37:56 UTY8400 Maximum supported buffer size: 1M

\*\*\*\* 13:37:56 UTY8400 Data Encryption supported by RDBMS server

\*\*\*\* 13:37:56 UTY6211 A successful connect was made to the RDBMS.

\*\*\*\* 13:37:56 UTY6210 Logtable 'FINANCIAL.inslogtable' indicates that a restart is in

progress.

========================================================================

= =

= Processing Control Statements =

= =

========================================================================

0003 DROP TABLE employee;

\*\*\*\* 13:37:56 UTY1012 A restart is in progress. This request has already been executed. The

return code was: 0.

0004 CREATE TABLE employee (

EmpNo INTEGER,

Name VARCHAR(15),

JobTitle VARCHAR(15),

Salary INTEGER,

DeptNo INTEGER)

UNIQUE PRIMARY INDEX( EmpNo );

\*\*\*\* 13:37:56 UTY1012 A restart is in progress. This request has already been executed. The

return code was: 0.

0005 .begin import mload tables employee;

========================================================================

= =

= Processing MultiLoad Statements =

= =

========================================================================

0006 .layout inslayout;

0007 .field EmpNo 1 char(5);

0008 .field Name 10 char(15);

0009 .field JobTitle 20 char(15);

0010 .field Salary 35 char(10);

0011 .field DeptNo 45 char(2);

0012 .dml label insdml;

0013 insert into employee.\*;

0014 .import infile

C:\Users\Administrator\Desktop\Teradata\_Capgemini\Teradata\_Doc\insert.input

.txt

format text

layout inslayout

apply insdml;

0015 .end mload;

========================================================================

= =

= MultiLoad Initial Phase =

= =

========================================================================

\*\*\*\* 13:37:57 UTY0829 Options in effect for this MultiLoad import task:

. Sessions: One session per available amp.

. Checkpoint: 15 minute(s).

. Tenacity: 4 hour limit to successfully connect load sessions.

. Errlimit: No limit in effect.

. AmpCheck: In effect for apply phase transitions.

\*\*\*\* 13:37:57 UTY0817 MultiLoad submitting the following request:

Select NULL from FINANCIAL.inslogtable where (LogType = 125) and (Seq = 1)

and (MloadSeq = 0);

\*\*\*\* 13:37:57 UTY0817 MultiLoad submitting the following request:

Select NULL from FINANCIAL.inslogtable where (LogType = 120) and (Seq =

1);

\*\*\*\* 13:37:58 UTY0815 MLOAD session(s) connected: 2.

\*\*\*\* 13:37:58 UTY0817 MultiLoad submitting the following request:

BEGIN MLOAD employee WITH INTERVAL;

\*\*\*\* 13:37:59 UTY0817 MultiLoad submitting the following request:

Select NULL from FINANCIAL.inslogtable where (LogType = 130) and (Seq = 1)

and (MloadSeq = 20);

========================================================================

= =

= MultiLoad Acquisition Phase =

= =

========================================================================

\*\*\*\* 13:37:59 UTY0817 MultiLoad submitting the following request:

SELECT MiscInt1 (INTEGER), MiscInt2 (INTEGER),MiscInt3 (INTEGER), MiscInt4

(INTEGER), MiscInt5 (INTEGER),MiscInt6 (INTEGER), MiscInt7 (INTEGER),

MiscInt8 (INTEGER),MloadSeq (INTEGER), MloadImpSeq (INTEGER),MloadSrcSeq

(INTEGER), CkptInterval (INTEGER),MloadCkpt (VARBYTE(1024)) from

FINANCIAL.inslogtable WHERE (LogType = 110) and (Seq = 1) and (MloadSeq IN

(SELECT MAX(MloadSeq) from FINANCIAL.inslogtable where (LogType = 110) and

(Seq = 1)));

\*\*\*\* 13:37:59 UTY0817 MultiLoad submitting the following request:

BEGIN TRANSACTION;

\*\*\*\* 13:37:59 UTY0817 MultiLoad submitting the following request:

CHECKPOINT LOADING INTERVAL 0;

\*\*\*\* 13:37:59 UTY0817 MultiLoad submitting the following request:

CHECKPOINT LOADING INTERVAL 0;

\*\*\*\* 13:38:00 UTY1806 This MultiLoad Import task is re-starting from checkpoint taken at

record 0 of IMPORT 1.

\*\*\*\* 13:38:00 UTY0817 MultiLoad submitting the following request:

CHECKPOINT LOADING INTERVAL 0;

\*\*\*\* 13:38:01 UTY0817 MultiLoad submitting the following request:

USING Ckpt(VARBYTE(1024)) INSERT FINANCIAL.inslogtable (Logtype, Seq,

MLoadSeq, MLoadImpSeq, MLoadSrcSeq, MiscInt1,MiscInt2,MiscInt3,MiscInt4,

MiscInt5,MiscInt6,MiscInt7,MiscInt8,CkptInterval,MLoadCkpt) VALUES (110, 1,

1, 1, 0, 6, 6, 6, 6, 0, 0, 0, 0, 0, :Ckpt);

\*\*\*\* 13:38:01 UTY0826 A checkpoint has been taken, recording that end of file has been reached

for IMPORT 1 of this MultiLoad Import task.

\*\*\*\* 13:38:01 UTY1803 Import processing statistics

. IMPORT 1 Total thus far

. ========= ==============

Candidate records considered:........ 6....... 6

Apply conditions satisfied:.......... 6....... 6

Candidate records not applied:....... 0....... 0

Candidate records rejected:.......... 0....... 0

\*\*\*\* 13:38:01 UTY0817 MultiLoad submitting the following request:

CHECKPOINT LOADING INTERVAL 0;

\*\*\*\* 13:38:02 UTY0817 MultiLoad submitting the following request:

CHECKPOINT LOADING INTERVAL 0 END;

\*\*\*\* 13:38:03 UTY0817 MultiLoad submitting the following request:

INS FINANCIAL.inslogtable (LogType, Seq, MLoadSeq)VALUES(130, 1, 30);

\*\*\*\* 13:38:03 UTY0817 MultiLoad submitting the following request:

ET;

========================================================================

= =

= MultiLoad Application Phase =

= =

========================================================================

\*\*\*\* 13:38:04 UTY0817 MultiLoad submitting the following request:

EXEC MLOAD employee;

\*\*\*\* 13:38:04 UTY0818 Statistics for table employee:

Inserts: 6

Updates: 0

Deletes: 0

\*\*\*\* 13:38:04 UTY0817 MultiLoad submitting the following request:

INS FINANCIAL.inslogtable (LogType, Seq) VALUES (115, 1)

\*\*\*\* 13:38:04 UTY0817 MultiLoad submitting the following request:

BEGIN TRANSACTION;

\*\*\*\* 13:38:04 UTY0817 MultiLoad submitting the following request:

END MLOAD;

\*\*\*\* 13:38:04 UTY0817 MultiLoad submitting the following request:

INS FINANCIAL.inslogtable (LogType, Seq) VALUES (120, 1)

\*\*\*\* 13:38:04 UTY0817 MultiLoad submitting the following request:

USING Ckpt(VARBYTE(1024)) INS FINANCIAL.inslogtable (LogType, Seq,

MLoadCkpt)VALUES(135, 1, :Ckpt);

\*\*\*\* 13:38:04 UTY0817 MultiLoad submitting the following request:

END TRANSACTION;

========================================================================

= =

= MultiLoad Task Cleanup =

= =

========================================================================

\*\*\*\* 13:38:04 UTY0817 MultiLoad submitting the following request:

SELECT COUNT(\*) FROM ET\_employee;

\*\*\*\* 13:38:04 UTY0821 Error table ET\_employee is EMPTY, dropping table.

\*\*\*\* 13:38:04 UTY0817 MultiLoad submitting the following request:

BEGIN TRANSACTION;

\*\*\*\* 13:38:04 UTY0817 MultiLoad submitting the following request:

INS FINANCIAL.inslogtable (LogType, Seq, MLoadSeq)VALUES(125, 1, 1)

\*\*\*\* 13:38:04 UTY0817 MultiLoad submitting the following request:

DROP TABLE ET\_employee;

\*\*\*\* 13:38:04 UTY0817 MultiLoad submitting the following request:

END TRANSACTION;

\*\*\*\* 13:38:04 UTY0817 MultiLoad submitting the following request:

SELECT COUNT(\*) FROM UV\_employee;

\*\*\*\* 13:38:04 UTY0821 Error table UV\_employee is EMPTY, dropping table.

\*\*\*\* 13:38:04 UTY0817 MultiLoad submitting the following request:

BEGIN TRANSACTION;

\*\*\*\* 13:38:04 UTY0817 MultiLoad submitting the following request:

INS FINANCIAL.inslogtable (LogType, Seq, MLoadSeq)VALUES(125, 1, 2)

\*\*\*\* 13:38:04 UTY0817 MultiLoad submitting the following request:

DROP TABLE UV\_employee;

\*\*\*\* 13:38:05 UTY0817 MultiLoad submitting the following request:

END TRANSACTION;

\*\*\*\* 13:38:05 UTY0817 MultiLoad submitting the following request:

BEGIN TRANSACTION;

\*\*\*\* 13:38:05 UTY0817 MultiLoad submitting the following request:

INS FINANCIAL.inslogtable (LogType, Seq, MLoadSeq)VALUES(125, 1, 3)

\*\*\*\* 13:38:05 UTY0817 MultiLoad submitting the following request:

DROP TABLE WT\_employee;

\*\*\*\* 13:38:05 UTY0817 MultiLoad submitting the following request:

END TRANSACTION;

\*\*\*\* 13:38:05 UTY0825 Error table statistics for:

Target table 1: employee

Number of Rows Error Table Name

============== ========================================================

0 ET\_employee

0 UV\_employee

\*\*\*\* 13:38:05 UTY0817 MultiLoad submitting the following request:

BEGIN TRANSACTION;

\*\*\*\* 13:38:05 UTY0817 MultiLoad submitting the following request:

USING Ckpt(VARBYTE(1024)) INS FINANCIAL.inslogtable (LogType, Seq,

MLoadCkpt)VALUES(140, 1, :Ckpt);

\*\*\*\* 13:38:05 UTY0817 MultiLoad submitting the following request:

INS FINANCIAL.inslogtable (LogType, Seq) VALUES (125, 1)

\*\*\*\* 13:38:05 UTY0817 MultiLoad submitting the following request:

END TRANSACTION;

\*\*\*\* 13:38:06 UTY0822 MultiLoad processing complete for this MultiLoad import task.

========================================================================

= =

= MultiLoad Task Complete =

= =

========================================================================

========================================================================

= =

= Processing Control Statements =

= =

========================================================================

0016 .logoff;

========================================================================

= =

= Logoff/Disconnect =

= =

========================================================================

\*\*\*\* 13:38:07 UTY6216 The restart log table has been dropped.

\*\*\*\* 13:38:07 UTY6212 A successful disconnect was made from the RDBMS.

\*\*\*\* 13:38:07 UTY2410 Total processor time used = '0.733205 Seconds'

. Start : 13:37:55 - SUN JAN 22, 2017

. End : 13:38:07 - SUN JAN 22, 2017

. Highest return code encountered = '0'.

C:\Users\Administrator>bteq

Teradata BTEQ 13.00.00.03 for WIN32.

Copyright 1984-2009, Teradata Corporation. ALL RIGHTS RESERVED.

Enter your logon or BTEQ command:

.logon localtd/td06

.logon localtd/td06

Password:

\*\*\* Logon successfully completed.

\*\*\* Teradata Database Release is 13.00.00.12

\*\*\* Teradata Database Version is 13.00.00.12

\*\*\* Transaction Semantics are BTET.

\*\*\* Character Set Name is 'ASCII'.

\*\*\* Total elapsed time was 1 second.

BTEQ -- Enter your DBC/SQL request or BTEQ command:

select \* from employee;

select \* from employee;

\*\*\* Query completed. 6 rows found. 5 columns returned.

\*\*\* Total elapsed time was 1 second.

EmpNo Name JobTitle Salary DeptNo

----------- --------------- --------------- ----------- -----------

10003 Smith Sales Sales 2000 10

10005 James Presi President 3000 40

10001 Brown Devel Development 2000 20

10006 Lunar Sales Sales 2000 10

10002 Jones Presi President 3000 30

10004 Daren Devel Development 2000 20

BTEQ -- Enter your DBC/SQL request or BTEQ command:

**Example 4.**

The following script will load a sample data of fixed-length columns extracted into a Teradata database using MultiLoad.

Contents of a cg\_client.txt mload script:

.logtable inslogtable;

.logon localtd/td06,admin#123;

Drop table cg\_client;

create table cg\_client (

cust\_no integer not null,

cust\_name varchar(20),

bal\_amt decimal(15,3))

unique primary index(cust\_no ) ;

.BEGIN MLOAD tables cg\_client;

.layout cgclient;

.field cust\_no 1 char(5);

.field cust\_name 10 char(15);

.field bal\_amt 30 char(10);

.dml label insertclientdml;

insert into cg\_client.\*;

.import infile C:\Users\Administrator\Desktop\Teradata\_Capgemini\Teradata\_Doc\cg\_client\_data.txt

format text

layout cgclient

apply insertclientdml;

.END MLOAD;

.logoff;

Contents of input datafile cg\_client\_data.txt:

11111 Igate 675758.887

11112 Tech Mahendra 758776.687

11113 Infosys 756732.687

11114 Accenture 757876.785

11115 TCS 7575876588.486

**Run the script**

C:\Users\Administrator>mload < C:\Users\Administrator\Desktop\Teradata\_Capgemini\Teradata\_Doc\cg\_client.txt

**Check the table data.**

C:\Users\Administrator>bteq

Teradata BTEQ 13.00.00.03 for WIN32.

Copyright 1984-2009, Teradata Corporation. ALL RIGHTS RESERVED.

Enter your logon or BTEQ command:

.logon localtd/td06

.logon localtd/td06

Password:

\*\*\* Logon successfully completed.

\*\*\* Teradata Database Release is 13.00.00.12

\*\*\* Teradata Database Version is 13.00.00.12

\*\*\* Transaction Semantics are BTET.

\*\*\* Character Set Name is 'ASCII'.

\*\*\* Total elapsed time was 1 second.

BTEQ -- Enter your DBC/SQL request or BTEQ command:

select \* from cg\_client;

select \* from cg\_client;

\*\*\* Query completed. 5 rows found. 3 columns returned.

\*\*\* Total elapsed time was 1 second.

cust\_no cust\_name bal\_amt

----------- -------------------- -----------------

11113 Infosys 756732.687

11111 Igate 675758.887

11114 Accenture 757876.785

11112 Tech Mahendra 758776.687

11115 TCS 7575876588.000

BTEQ -- Enter your DBC/SQL request or BTEQ command:

**Example 5.**

Create table Employee (

TransCode char(3),

EmpNo smallint,

DeptNo smallint )

Unique Primary Index (EmpNo);

insert into employee values('TRA',11111,10);

insert into employee values('PUR',11112,20);

insert into employee values('SAL',11113,30);

insert into employee values('MOR',11114,40);

insert into employee values('LOA',11115,50);

insert into employee values('MAN',11116,10);

insert into employee values('SER',11117,20);

insert into employee values('LEA',11118,30);

insert into employee values('REN',11119,10);

insert into employee values('TRA',22220,20);

insert into employee values('SER',22221,20);

insert into employee values('LEA',22222,30);

insert into employee values('REN',22223,10);

insert into employee values('TRA',22224,20);

insert into employee values('TRA',22225,20);

select \* from employee order by 2;

TransCode EmpNo DeptNo

--------- ------ ------

TRA 11111 10

PUR 11112 20

SAL 11113 30

MOR 11114 40

LOA 11115 50

MAN 11116 10

SER 11117 20

LEA 11118 30

REN 11119 10

TRA 22220 20

SER 22221 20

LEA 22222 30

REN 22223 10

TRA 22224 20

TRA 22225 20

.Logtable Logtable002;

.Logon localtd/td06,admin#123;

Create table History (

TransCode char(3),

EmpNo smallint,

DeptNo smallint )

Unique Primary Index (EmpNo);

.Begin Mload tables Employee, History;

.Layout record\_layout;

.Field in\_TransCode \* Char(3);

.Field in\_EmpNo \* Smallint;

.Field in\_DeptNo \* Smallint;

.DML Label Updates DO INSERT FOR MISSING UPDATE ROWS;

Update Employee set DeptNo = :in\_DeptNo where EmpNo = :in\_EmpNo;

INSERT INTO employee VALUES(:in\_TransCode, :in\_EmpNo, :in\_DeptNo);

.DML Label Deletes;

Delete from Employee where EmpNo = :in\_EmpNo;

INSERT INTO history VALUES(:in\_TransCode, :in\_EmpNo, :in\_DeptNo);

.Import Infile 'C:\Users\Administrator\Desktop\Teradata\_Capgemini\Teradata\_Doc\Transaction.txt'

format text

Layout record\_layout

Apply Updates where in\_TransCode = 'TRA'

Apply Deletes where in\_TransCode = 'PUR';

.End Mload;

.Logoff;

Input data file having the below records in file Transaction.txt.

SER 22227 20

LEA 22228 30

SAL 11113 60

**Run the mload script**

C:\Users\Administrator>mload < C:\Users\Administrator\Desktop\Teradata\_Capgemini\Teradata\_Doc\Transaction.mload.txt

If you get the below error

20:50:56 UTY0805 RDBMS failure, 2554: Inconsistent situation occurs in restart MLoad -

Then release the Mload on the target tables.

release mload financial.employee;

\*\*\* Failure 2580 MLoad not active on table Employee.

Statement# 1, Info =0

\*\*\* Total elapsed time was 1 second.

BTEQ -- Enter your DBC/SQL request or BTEQ command:

release mload financial.history;

release mload financial.history;

\*\*\* Mload has been released.

\*\*\* Total elapsed time was 1 second.

BTEQ -- Enter your DBC/SQL request or BTEQ command:

drop table Logtable002;

drop table Logtable002;

\*\*\* Table has been dropped.

\*\*\* Total elapsed time was 1 second.

**NCR SUPPORT say .....DROP and recreate the target tables again to get rid of the error...**

**Data neither updated nor inserted.**

**C:\Users\Administrator>mload < C:\Users\Administrator\Desktop\Teradata\_Capgemini\Teradata\_Doc\Transaction.mload.txt**

**========================================================================**

**= =**

**= MultiLoad Utility Release MLOD.13.00.00.005 =**

**= Platform WIN32 =**

**= =**

**========================================================================**

**= =**

**= Copyright 1990-2009 Teradata Corporation. ALL RIGHTS RESERVED. =**

**= =**

**========================================================================**

**\*\*\*\* 22:36:00 UTY2411 Processing start date: SUN JAN 22, 2017**

**========================================================================**

**= =**

**= Logon/Connection =**

**= =**

**========================================================================**

**0001 .Logtable Logtable002;**

**0002 .Logon localtd/td06,;**

**\*\*\*\* 22:36:01 UTY8400 Teradata Database Release: 13.00.00.12**

**\*\*\*\* 22:36:01 UTY8400 Teradata Database Version: 13.00.00.12**

**\*\*\*\* 22:36:01 UTY8400 Default character set: ASCII**

**\*\*\*\* 22:36:01 UTY8400 Current RDBMS has interval support**

**\*\*\*\* 22:36:01 UTY8400 Current RDBMS has UDT support**

**\*\*\*\* 22:36:01 UTY8400 Maximum supported buffer size: 1M**

**\*\*\*\* 22:36:01 UTY8400 Data Encryption supported by RDBMS server**

**\*\*\*\* 22:36:01 UTY6211 A successful connect was made to the RDBMS.**

**\*\*\*\* 22:36:01 UTY6217 Logtable 'FINANCIAL.Logtable002' has been created.**

**========================================================================**

**= =**

**= Processing Control Statements =**

**= =**

**========================================================================**

**0003 Create table History (**

**TransCode char(3),**

**EmpNo smallint,**

**DeptNo smallint )**

**Unique Primary Index (EmpNo);**

**\*\*\*\* 22:36:01 UTY1008 RDBMS failure: 3803, Table 'History' already exists.**

**0004 .Begin Mload tables Employee, History;**

**========================================================================**

**= =**

**= Processing MultiLoad Statements =**

**= =**

**========================================================================**

**0005 .Layout record\_layout;**

**0006 .Field in\_TransCode \* Char(3);**

**0007 .Field in\_EmpNo \* Smallint;**

**0008 .Field in\_DeptNo \* Smallint;**

**0009 .DML Label Updates DO INSERT FOR MISSING UPDATE ROWS;**

**0010 Update Employee set DeptNo = :in\_DeptNo where EmpNo = :in\_EmpNo;**

**0011 INSERT INTO employee VALUES(:in\_TransCode, :in\_EmpNo, :in\_DeptNo);**

**0012 .DML Label Deletes;**

**0013 Delete from Employee where EmpNo = :in\_EmpNo;**

**0014 INSERT INTO history VALUES(:in\_TransCode, :in\_EmpNo, :in\_DeptNo);**

**0015 .Import Infile**

**'C:\Users\Administrator\Desktop\Teradata\_Capgemini\Teradata\_Doc\Transaction**

**.txt'**

**format text**

**Layout record\_layout**

**Apply Updates where in\_TransCode = 'TRA'**

**Apply Deletes where in\_TransCode = 'PUR';**

**0016 .End Mload;**

**========================================================================**

**= =**

**= MultiLoad Initial Phase =**

**= =**

**========================================================================**

**\*\*\*\* 22:36:02 UTY0829 Options in effect for this MultiLoad import task:**

**. Sessions: One session per available amp.**

**. Checkpoint: 15 minute(s).**

**. Tenacity: 4 hour limit to successfully connect load sessions.**

**. Errlimit: No limit in effect.**

**. AmpCheck: In effect for apply phase transitions.**

**\*\*\*\* 22:36:02 UTY0817 MultiLoad submitting the following request:**

**Select NULL from FINANCIAL.Logtable002 where (LogType = 125) and (Seq = 1)**

**and (MloadSeq = 0);**

**\*\*\*\* 22:36:02 UTY0817 MultiLoad submitting the following request:**

**Select NULL from FINANCIAL.Logtable002 where (LogType = 120) and (Seq =**

**1);**

**\*\*\*\* 22:36:03 UTY0815 MLOAD session(s) connected: 2.**

**\*\*\*\* 22:36:03 UTY0817 MultiLoad submitting the following request:**

**BEGIN MLOAD Employee,History WITH INTERVAL;**

**\*\*\*\* 22:36:03 UTY0817 MultiLoad submitting the following request:**

**INS FINANCIAL.Logtable002 (LogType, Seq, MLoadSeq)VALUES(130, 1, 10);**

**\*\*\*\* 22:36:03 UTY0817 MultiLoad submitting the following request:**

**MLOAD Employee with WT\_Employee errortables ET\_Employee, UV\_Employee;**

**\*\*\*\* 22:36:03 UTY0817 MultiLoad submitting the following request:**

**MLOAD History with WT\_History errortables ET\_History, UV\_History;**

**========================================================================**

**= =**

**= MultiLoad DML Transaction Phase =**

**= =**

**========================================================================**

**\*\*\*\* 22:36:04 UTY0817 MultiLoad submitting the following request:**

**BT;**

**\*\*\*\* 22:36:04 UTY0817 MultiLoad submitting the following request:**

**USING IN\_TRANSCODE(CHAR(3)), IN\_EMPNO(SMALLINT), IN\_DEPTNO(SMALLINT) Update**

**Employee set DeptNo = :in\_DeptNo where EmpNo = :in\_EmpNo;**

**\*\*\*\* 22:36:04 UTY0817 MultiLoad submitting the following request:**

**USING IN\_TRANSCODE(CHAR(3)), IN\_EMPNO(SMALLINT), IN\_DEPTNO(SMALLINT) INSERT**

**INTO employee VALUES(:in\_TransCode, :in\_EmpNo, :in\_DeptNo);**

**\*\*\*\* 22:36:04 UTY0817 MultiLoad submitting the following request:**

**USING IN\_TRANSCODE(CHAR(3)), IN\_EMPNO(SMALLINT), IN\_DEPTNO(SMALLINT) Delete**

**from Employee where EmpNo = :in\_EmpNo;**

**\*\*\*\* 22:36:04 UTY0817 MultiLoad submitting the following request:**

**USING IN\_TRANSCODE(CHAR(3)), IN\_EMPNO(SMALLINT), IN\_DEPTNO(SMALLINT) INSERT**

**INTO history VALUES(:in\_TransCode, :in\_EmpNo, :in\_DeptNo);**

**\*\*\*\* 22:36:04 UTY0817 MultiLoad submitting the following request:**

**INS FINANCIAL.Logtable002 (LogType, Seq, MLoadSeq)VALUES(130, 1, 20);**

**\*\*\*\* 22:36:04 UTY0817 MultiLoad submitting the following request:**

**ET;**

**========================================================================**

**= =**

**= MultiLoad Acquisition Phase =**

**= =**

**========================================================================**

**\*\*\*\* 22:36:04 UTY0817 MultiLoad submitting the following request:**

**BEGIN TRANSACTION;**

**\*\*\*\* 22:36:04 UTY0817 MultiLoad submitting the following request:**

**CHECKPOINT LOADING INTERVAL 0;**

**\*\*\*\* 22:36:04 UTY0817 MultiLoad submitting the following request:**

**CHECKPOINT LOADING INTERVAL 0;**

**\*\*\*\* 22:36:05 UTY0817 MultiLoad submitting the following request:**

**CHECKPOINT LOADING INTERVAL 0;**

**\*\*\*\* 22:36:06 UTY0817 MultiLoad submitting the following request:**

**USING Ckpt(VARBYTE(1024)) INSERT FINANCIAL.Logtable002 (Logtype, Seq,**

**MLoadSeq, MLoadImpSeq, MLoadSrcSeq, MiscInt1,MiscInt2,MiscInt3,MiscInt4,**

**MiscInt5,MiscInt6,MiscInt7,MiscInt8,CkptInterval,MLoadCkpt) VALUES (110, 1,**

**0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, :Ckpt);**

**\*\*\*\* 22:36:06 UTY0817 MultiLoad submitting the following request:**

**CHECKPOINT LOADING INTERVAL 0;**

**\*\*\*\* 22:36:07 UTY0817 MultiLoad submitting the following request:**

**USING Ckpt(VARBYTE(1024)) INSERT FINANCIAL.Logtable002 (Logtype, Seq,**

**MLoadSeq, MLoadImpSeq, MLoadSrcSeq, MiscInt1,MiscInt2,MiscInt3,MiscInt4,**

**MiscInt5,MiscInt6,MiscInt7,MiscInt8,CkptInterval,MLoadCkpt) VALUES (110, 1,**

**1, 1, 0, 3, 3, 0, 0, 3, 3, 0, 0, 0, :Ckpt);**

**\*\*\*\* 22:36:07 UTY0826 A checkpoint has been taken, recording that end of file has been reached**

**for IMPORT 1 of this MultiLoad Import task.**

**\*\*\*\* 22:36:08 UTY1803 Import processing statistics**

**. IMPORT 1 Total thus far**

**. ========= ==============**

**Candidate records considered:........ 3....... 3**

**Apply conditions satisfied:.......... 0....... 0**

**Candidate records not applied:....... 3....... 3**

**Candidate records rejected:.......... 0....... 0**

**\*\*\*\* 22:36:08 UTY0817 MultiLoad submitting the following request:**

**CHECKPOINT LOADING INTERVAL 0;**

**\*\*\*\* 22:36:09 UTY0817 MultiLoad submitting the following request:**

**CHECKPOINT LOADING INTERVAL 0 END;**

**\*\*\*\* 22:36:10 UTY0817 MultiLoad submitting the following request:**

**INS FINANCIAL.Logtable002 (LogType, Seq, MLoadSeq)VALUES(130, 1, 30);**

**\*\*\*\* 22:36:10 UTY0817 MultiLoad submitting the following request:**

**ET;**

**========================================================================**

**= =**

**= MultiLoad Application Phase =**

**= =**

**========================================================================**

**\*\*\*\* 22:36:10 UTY0817 MultiLoad submitting the following request:**

**EXEC MLOAD Employee;EXEC MLOAD History;**

**\*\*\*\* 22:36:10 UTY0818 Statistics for table Employee:**

**Inserts: 0**

**Updates: 0**

**Deletes: 0**

**\*\*\*\* 22:36:10 UTY0818 Statistics for table History:**

**Inserts: 0**

**Updates: 0**

**Deletes: 0**

**\*\*\*\* 22:36:10 UTY0817 MultiLoad submitting the following request:**

**INS FINANCIAL.Logtable002 (LogType, Seq) VALUES (115, 1)**

**\*\*\*\* 22:36:10 UTY0817 MultiLoad submitting the following request:**

**BEGIN TRANSACTION;**

**\*\*\*\* 22:36:10 UTY0817 MultiLoad submitting the following request:**

**END MLOAD;**

**\*\*\*\* 22:36:11 UTY0817 MultiLoad submitting the following request:**

**INS FINANCIAL.Logtable002 (LogType, Seq) VALUES (120, 1)**

**\*\*\*\* 22:36:11 UTY0817 MultiLoad submitting the following request:**

**USING Ckpt(VARBYTE(1024)) INS FINANCIAL.Logtable002 (LogType, Seq,**

**MLoadCkpt)VALUES(135, 1, :Ckpt);**

**\*\*\*\* 22:36:11 UTY0817 MultiLoad submitting the following request:**

**END TRANSACTION;**

**========================================================================**

**= =**

**= MultiLoad Task Cleanup =**

**= =**

**========================================================================**

**\*\*\*\* 22:36:11 UTY0817 MultiLoad submitting the following request:**

**SELECT COUNT(\*) FROM ET\_Employee;**

**\*\*\*\* 22:36:11 UTY0821 Error table ET\_Employee is EMPTY, dropping table.**

**\*\*\*\* 22:36:11 UTY0817 MultiLoad submitting the following request:**

**BEGIN TRANSACTION;**

**\*\*\*\* 22:36:11 UTY0817 MultiLoad submitting the following request:**

**INS FINANCIAL.Logtable002 (LogType, Seq, MLoadSeq)VALUES(125, 1, 1)**

**\*\*\*\* 22:36:11 UTY0817 MultiLoad submitting the following request:**

**DROP TABLE ET\_Employee;**

**\*\*\*\* 22:36:11 UTY0817 MultiLoad submitting the following request:**

**END TRANSACTION;**

**\*\*\*\* 22:36:11 UTY0817 MultiLoad submitting the following request:**

**SELECT COUNT(\*) FROM UV\_Employee;**

**\*\*\*\* 22:36:11 UTY0821 Error table UV\_Employee is EMPTY, dropping table.**

**\*\*\*\* 22:36:11 UTY0817 MultiLoad submitting the following request:**

**BEGIN TRANSACTION;**

**\*\*\*\* 22:36:11 UTY0817 MultiLoad submitting the following request:**

**INS FINANCIAL.Logtable002 (LogType, Seq, MLoadSeq)VALUES(125, 1, 2)**

**\*\*\*\* 22:36:11 UTY0817 MultiLoad submitting the following request:**

**DROP TABLE UV\_Employee;**

**\*\*\*\* 22:36:11 UTY0817 MultiLoad submitting the following request:**

**END TRANSACTION;**

**\*\*\*\* 22:36:11 UTY0817 MultiLoad submitting the following request:**

**BEGIN TRANSACTION;**

**\*\*\*\* 22:36:11 UTY0817 MultiLoad submitting the following request:**

**INS FINANCIAL.Logtable002 (LogType, Seq, MLoadSeq)VALUES(125, 1, 3)**

**\*\*\*\* 22:36:11 UTY0817 MultiLoad submitting the following request:**

**DROP TABLE WT\_Employee;**

**\*\*\*\* 22:36:11 UTY0817 MultiLoad submitting the following request:**

**END TRANSACTION;**

**\*\*\*\* 22:36:11 UTY0817 MultiLoad submitting the following request:**

**SELECT COUNT(\*) FROM ET\_History;**

**\*\*\*\* 22:36:12 UTY0821 Error table ET\_History is EMPTY, dropping table.**

**\*\*\*\* 22:36:12 UTY0817 MultiLoad submitting the following request:**

**BEGIN TRANSACTION;**

**\*\*\*\* 22:36:12 UTY0817 MultiLoad submitting the following request:**

**INS FINANCIAL.Logtable002 (LogType, Seq, MLoadSeq)VALUES(125, 1, 4)**

**\*\*\*\* 22:36:12 UTY0817 MultiLoad submitting the following request:**

**DROP TABLE ET\_History;**

**\*\*\*\* 22:36:12 UTY0817 MultiLoad submitting the following request:**

**END TRANSACTION;**

**\*\*\*\* 22:36:12 UTY0817 MultiLoad submitting the following request:**

**SELECT COUNT(\*) FROM UV\_History;**

**\*\*\*\* 22:36:12 UTY0821 Error table UV\_History is EMPTY, dropping table.**

**\*\*\*\* 22:36:12 UTY0817 MultiLoad submitting the following request:**

**BEGIN TRANSACTION;**

**\*\*\*\* 22:36:12 UTY0817 MultiLoad submitting the following request:**

**INS FINANCIAL.Logtable002 (LogType, Seq, MLoadSeq)VALUES(125, 1, 5)**

**\*\*\*\* 22:36:12 UTY0817 MultiLoad submitting the following request:**

**DROP TABLE UV\_History;**

**\*\*\*\* 22:36:12 UTY0817 MultiLoad submitting the following request:**

**END TRANSACTION;**

**\*\*\*\* 22:36:12 UTY0817 MultiLoad submitting the following request:**

**BEGIN TRANSACTION;**

**\*\*\*\* 22:36:12 UTY0817 MultiLoad submitting the following request:**

**INS FINANCIAL.Logtable002 (LogType, Seq, MLoadSeq)VALUES(125, 1, 6)**

**\*\*\*\* 22:36:12 UTY0817 MultiLoad submitting the following request:**

**DROP TABLE WT\_History;**

**\*\*\*\* 22:36:12 UTY0817 MultiLoad submitting the following request:**

**END TRANSACTION;**

**\*\*\*\* 22:36:12 UTY0825 Error table statistics for:**

**Target table 1: Employee**

**Number of Rows Error Table Name**

**============== ========================================================**

**0 ET\_Employee**

**0 UV\_Employee**

**Target table 2: History**

**Number of Rows Error Table Name**

**============== ========================================================**

**0 ET\_History**

**0 UV\_History**

**\*\*\*\* 22:36:12 UTY0817 MultiLoad submitting the following request:**

**BEGIN TRANSACTION;**

**\*\*\*\* 22:36:12 UTY0817 MultiLoad submitting the following request:**

**USING Ckpt(VARBYTE(1024)) INS FINANCIAL.Logtable002 (LogType, Seq,**

**MLoadCkpt)VALUES(140, 1, :Ckpt);**

**\*\*\*\* 22:36:12 UTY0817 MultiLoad submitting the following request:**

**INS FINANCIAL.Logtable002 (LogType, Seq) VALUES (125, 1)**

**\*\*\*\* 22:36:12 UTY0817 MultiLoad submitting the following request:**

**END TRANSACTION;**

**\*\*\*\* 22:36:14 UTY0822 MultiLoad processing complete for this MultiLoad import task.**

**========================================================================**

**= =**

**= MultiLoad Task Complete =**

**= =**

**========================================================================**

**========================================================================**

**= =**

**= Processing Control Statements =**

**= =**

**========================================================================**

**0017 .Logoff;**

**========================================================================**

**= =**

**= Logoff/Disconnect =**

**= =**

**========================================================================**

**\*\*\*\* 22:36:14 UTY6216 The restart log table has been dropped.**

**\*\*\*\* 22:36:14 UTY6212 A successful disconnect was made from the RDBMS.**

**\*\*\*\* 22:36:14 UTY2410 Total processor time used = '0.873606 Seconds'**

**. Start : 22:36:00 - SUN JAN 22, 2017**

**. End : 22:36:14 - SUN JAN 22, 2017**

**. Highest return code encountered = '0'.**

**C:\Users\Administrator>bteq**

# Teradata - FastExport

FastExport utility is used to export data from Teradata tables into flat files. It can also generate the data in report format. Data can be extracted from one or more tables using Join. Since FastExport exports the data in 64K blocks, it is useful for extracting large volume of data.

### **Example**

Consider the following Employee table.

DROP TABLE Employee;

CREATE TABLE Employee(

EmployeeNo INTEGER,

FirstName VARCHAR(20),

LastName VARCHAR(20),

BirthDate DATE);

INSERT INTO employee VALUES(101,'Mike','James','1980/05/11');

INSERT INTO employee VALUES(104,'Alex','Stuart','1984/10/10');

INSERT INTO employee VALUES(102,'Robert','Williams','1983/06/15');

INSERT INTO employee VALUES(105,'Robert','James','1984/04/20');

INSERT INTO employee VALUES(103,'Peter','Paul','1983/12/15');

Following is an example of a FastExport script. It exports data from employee table and writes into a file employeedata.txt.

.LOGTABLE employee\_log;

.LOGON localtd/td06,admin#123;

DATABASE financial;

.BEGIN EXPORT SESSIONS 2;

.EXPORT OUTFILE C:\Users\Administrator\Desktop\Teradata\_Capgemini\Teradata\_Doc\employeedata.txt MODE RECORD FORMAT TEXT;

SELECT CAST(EmployeeNo AS CHAR(10)),

CAST(FirstName AS CHAR(15)),

CAST(LastName AS CHAR(15)),

CAST(BirthDate AS CHAR(10))

FROM Employee;

.END EXPORT;

.LOGOFF;

## **Executing a FastExport Script**

Once the script is written and named as employee.fx, you can use the following command to execute the script.

C:\Users\Administrator> fexp < C:\Users\Administrator\Desktop\Teradata\_Capgemini\Teradata\_Doc\employee.fx.txt

After executing the above command, you will receive the following output in the file employeedata.txt.

101 Mike James 80/05/11

104 Alex Stuart 84/10/10

102 Robert Williams 83/06/15

105 Robert James 84/04/20

103 Peter Paul 83/12/15

Once the above command is executed, the FastExport script will run and produce the log. In the log, you can see the number of records processed by FastExport and status code.

========================================================================

= =

= FastExport Utility Release FEXP.13.00.00.006 =

= Platform WIN32 =

= =

========================================================================

= =

= Copyright 1990-2009 Teradata Corporation. ALL RIGHTS RESERVED. =

= =

========================================================================

\*\*\*\* 19:16:49 UTY2411 Processing start date: SAT JAN 21, 2017

========================================================================

= =

= Logon/Connection =

= =

========================================================================

0001 .LOGTABLE employee\_log;

0002 .LOGON localtd/td06,;

\*\*\*\* 19:16:49 UTY8400 Teradata Database Release: 13.00.00.12

\*\*\*\* 19:16:49 UTY8400 Teradata Database Version: 13.00.00.12

\*\*\*\* 19:16:49 UTY8400 Default character set: ASCII

\*\*\*\* 19:16:49 UTY8400 Current RDBMS has UDT support

\*\*\*\* 19:16:49 UTY8400 Current RDBMS has Large Decimal support

\*\*\*\* 19:16:49 UTY8400 Maximum supported buffer size: 1M

\*\*\*\* 19:16:49 UTY8400 Data Encryption supported by RDBMS server

\*\*\*\* 19:16:49 UTY6211 A successful connect was made to the RDBMS.

\*\*\*\* 19:16:49 UTY6217 Logtable 'FINANCIAL.employee\_log' has been created.

========================================================================

= =

= Processing Control Statements =

= =

========================================================================

0003 DATABASE financial;

\*\*\*\* 19:16:49 UTY1016 'DATABASE' request successful.

0004 .BEGIN EXPORT SESSIONS 2;

0005 .EXPORT OUTFILE

C:\Users\Administrator\Desktop\Teradata\_Capgemini\Teradata\_Doc\employeedata

.txt MODE RECORD FORMAT TEXT;

0006 SELECT CAST(EmployeeNo AS CHAR(10)),

CAST(FirstName AS CHAR(15)),

CAST(LastName AS CHAR(15)),

CAST(BirthDate AS CHAR(10))

FROM Employee;

0007 .END EXPORT;

========================================================================

= =

= FastExport Initial Phase =

= =

========================================================================

\*\*\*\* 19:16:50 UTY8700 Options in effect for this FastExport task:

. Sessions: 2 session(s).

. Mode: RECORD

. Blocksize: 64330 bytes.

. Outlimit: No limit in effect.

\*\*\*\* 19:16:50 UTY8715 FastExport is submitting the following request:

Select NULL from FINANCIAL.employee\_log where (LogType = 220) and (Seq = 1)

and (FExptSeq = 0);

\*\*\*\* 19:16:50 UTY8705 EXPORT session(s) requested: 2.

\*\*\*\* 19:16:50 UTY8706 EXPORT session(s) connected: 2.

\*\*\*\* 19:16:50 UTY8715 FastExport is submitting the following request:

BT;BEGIN FASTEXPORT;

\*\*\*\* 19:16:50 UTY8715 FastExport is submitting the following request:

SELECT MiscInt1 (INTEGER), MiscInt2 (INTEGER), MiscInt3 (INTEGER),FExptSeq

(INTEGER), FExptCkpt (VARBYTE(1024)) from FINANCIAL.employee\_log WHERE

(LogType = 210) and (Seq = 1) and (FExptSeq IN (SELECT MAX(FExptSeq) from

FINANCIAL.employee\_log where (LogType = 210) and (Seq = 1)));

\*\*\*\* 19:16:50 UTY8715 FastExport is submitting the following request:

SELECT MiscInt1 (INTEGER), MiscInt2 (INTEGER), MiscInt3 (INTEGER),FExptSeq

(INTEGER), FExptCkpt (VARBYTE(1024)) from FINANCIAL.employee\_log WHERE

(LogType = 212) and (Seq = 1) and (FExptSeq IN (SELECT MAX(FExptSeq) from

FINANCIAL.employee\_log where (LogType = 212) and (Seq = 1)));

\*\*\*\* 19:16:50 UTY8715 FastExport is submitting the following request:

SELECT CAST(EmployeeNo AS CHAR(10)),

CAST(FirstName AS CHAR(15)),

CAST(LastName AS CHAR(15)),

CAST(BirthDate AS CHAR(10))

FROM Employee;

\*\*\*\* 19:16:50 UTY8724 Select request submitted to the RDBMS.

\*\*\*\* 19:16:50 UTY8725 Select execution completed. 1 data blocks generated.

\*\*\*\* 19:16:50 UTY8715 FastExport is submitting the following request:

INS FINANCIAL.employee\_log (LogType, Seq) VALUES (220, 1)

\*\*\*\* 19:16:50 UTY8715 FastExport is submitting the following request:

END FASTEXPORT;ET;

\*\*\*\* 19:16:51 UTY8710 Processing complete for this FastExport task.

========================================================================

= =

= FastExport Task Complete =

= =

========================================================================

\*\*\*\* 19:16:51 UTY1024 Session modal request, 'DATABASE', re-executed.

\*\*\*\* 19:16:51 UTY8722 5 total records written to output file.

0008 .LOGOFF;

========================================================================

= =

= Logoff/Disconnect =

= =

========================================================================

\*\*\*\* 19:16:51 UTY6216 The restart log table has been dropped.

\*\*\*\* 19:16:51 UTY6212 A successful disconnect was made from the RDBMS.

\*\*\*\* 19:16:51 UTY2410 Total processor time used = '0.405603 Seconds'

. Start : 19:16:48 - SAT JAN 21, 2017

. End : 19:16:51 - SAT JAN 21, 2017

. Highest return code encountered = '0'.

C:\Users\Administrator>

## **FastExport Terms**

Following is the list of terms commonly used in FastExport script.

* **LOGTABLE** − Specifies the log table for restart purpose.
* **LOGON** − Logs into Teradata and initiates one or more sessions.
* **DATABASE** − Sets the default database.
* **BEGIN EXPORT** − Indicates the beginning of the export.
* **EXPORT** − Specifies the target file and the export format.
* **SELECT** − Specifies the select query to export data.
* **END EXPORT** − Specifies the end of FastExport.
* **LOGOFF** − Ends all sessions and terminates FastExport.